Journal of Neuroscience Methods, 25 (1988) 265–266
Elsevier

Author Index Volume 25

Adams, C.E., see Marfurt, C.F. (25) 215
Akaike, N., see Hori, N. (25) 197
Alvarez-Buylla, A. and Vicario, D.S.
Simple microcomputer system for mapping tissue sections with the light microscope (25) 165
Armstrong, W.E., see Horikawa, K. (25) 1

Barnett, T.G., see Millar, J. (25) 91
Beal, J.A., see Nandi, K.N. (25) 159
Buchholz, S.R. and Montgomery Jr., E.B.
Head restraint device for chronic recording of neural activity in the awake monkey (25) 139

Carpenter, D.P., see Hori, N. (25) 197
Clark, M. and Dar, M.S.
The effects of various methods of sacrifice and of ethanol on adenosine levels in selected areas of rat brain (25) 243
Coates, R.T., see Forsythe, I.D. (25) 19
Correia, M.J., see Dickman, J.D. (25) 111

Dar, M.S., see Clark, M. (25) 243
Davenport, A.P. and Hall, M.D.
Comparison between brain paste and polymer [^{125}I]standards for quantitative receptor autoradiography (25) 75
Dickman, J.D., Reder, P.A. and Correia, M.J.
A method for controlled mechanical stimulation of single semicircular canals (25) 111

Eckhorn, R., see Lohmann, H. (25) 29
Eilbert, J.L., see McEachron, D.L. (25) 63
Ermishkin, V.V., see Revenko, S.V. (25) 129
Eysel, U.T., see Wörgötter, F. (25) 135

Forsythe, I.D. and Coates, R.T.
A chamber for electrophysiological recording from cultured neurones allowing perfusion and temperature control (25) 19
Freire, M.
Quantitative computer analysis of Golgi-impregnated neurons using a new 'expanded stick' model for coding; its application to the study of axons (25) 143

Gallistel, C.R., see McEachron, D.L. (25) 63
Gandevia, S.C., see Hales, J.P. (25) 97
Gerstein, G.L., see Salganicoff, M. (25) 181
Gerstein, G.L., see Sarna, M.F. (25) 189
Gochin, P., see Sarna, M.F. (25) 189

Hales, J.P. and Gandevia, S.C.
Assessment of maximal voluntary contraction with twitch interpolation: an instrument to measure twitch responses (25) 97
Hall, M.D., see Davenport, A.P. (25) 75
Hedreen, J.C., Raskin, L.S., Struble, R.G. and Price, D.L.
Selective silver impregnation of senile plaques: a method useful for computer imaging (25) 151
Heller, A., Kontur, P., Hoffmann, P. and Heller, B.
Quantitation of neurochemically identified neurons in reaggregate tissue cultures (25) 83
Heller, B., see Heller, A. (25) 83
Hoffmann, P., see Heller, A. (25) 83
Hori, N., Akaike, N. and Carpenter, D.P.
Piriform cortex brain slices: techniques for isolation of synaptic inputs (25) 197
Horikawa, K. and Armstrong, W.E.
A versatile means of intracellular labeling: injection of biocytin and its detection with avidin conjugates (25) 1
Hue, B., see Mony, L. (25) 103

Iversen, I.H. and Mogensen, J.
A multipurpose vertical holeboard with automated recording of spatial and temporal response patterns for rodents (25) 251

Kaltenbach, J., see Sarna, M.F. (25) 189
Kaupenjohann, H., see Schweizer, H. (25) 45
Klop, A., see Mirmiran, M. (25) 209
Knight, D.S., see Nandi, K.N. (25) 159
Kontur, P., see Heller, A. (25) 83

Lacy, P.S.
A non-traumatic approach to ventral subarachnoid space near circle of Willis (25) 239
Lohmann, H., Eckhorn, R. and Reitboeck, H.J.
Visual receptive fields of local intracortical potentials (25) 29

Malach, R.
In vivo visualization of callosal pathways: a novel approach to the study of cortical organization (25) 225
Marfurt, C.F., Turner, D.F. and Adams, C.E.
Stabilization of tetramethylbenzidine (TMB) reaction product at the electron microscopic level by ammonium molybdate (25) 215
Marrannes, R., see Reid, K.H. (25) 49
McEachron, D.L., Gallistel, C.R., Eilbert, J.L. and Tretiak, O.J.

0165-0270/88/$03.50 © 1988 Elsevier Science Publishers B.V. (Biomedical Division)

The analytic and functional accuracy of a video densitometry system (25) 63
Millar, J. and Barnett, T.G.
Basic instrumentation for fast cyclic voltammetry (25) 91
Millar, J. and Williams, G.V.
Ultra-low noise silver-plated carbon fibre microelectrodes (25) 59
Mirmiran, M., Overdijk, J., Witting, W., Klop, A. and Swaab, D.F.
A simple method for recording and analysing circadian rhythms in man (25) 209
Mogensen, J., see Iversen, I.H. (25) 251
Montgomery Jr., E.B., see Buchholz, S.R. (25) 139
Mony, L., Hue, B. and Tessier, J.-C.
Synaptic currents recorded from the dendritic field of an insect giant interneurone (25) 103

Nandi, K.N., Beal, J.A. and Knight, D.S.
A simple method for combining HRP-TMB histochemistry with tritiated thymidine autoradiography on the same tissue section (25) 159

Overdijk, J., see Mirmiran, M. (25) 209

Peterson, G.M., see Shu, S.Y. (25) 175
Price, D.L., see Hedreen, J.C. (25) 151

Raskin, L.S., see Hedreen, J.C. (25) 151
Reder, P.A., see Dickman, J.D. (25) 111
Reid, K.H., Marrannes, R. and Wauquier, A.
Effects of temperature and temperature gradients on ion-sensitive microelectrodes (25) 49
Reitboeck, H.J., see Lohmann, H. (25) 29
Revenko, S.V., Ermishkin, V.V. and Selector, L.Y.
Identification of afferents in a fine nerve strand by selective elimination of signals from C-fibers by electric current pulses (25) 129

Salganicoff, M., Sarna, M., Sax, L. and Gerstein, G.L.
Unsupervised waveform classification for multi-neuron recordings: a real-time, software-based system. I. Algorithms and implementation (25) 181
Salganicoff, M., see Sarna, M.F. (25) 189
Sarna, M., see Salganicoff, M. (25) 181
Sarna, M.F., Gochin, P., Kaltenbach, J., Salganicoff, M. and Gerstein, G.L.
Unsupervised waveform classification for multi-neuron recordings: a real-time, software-based system. II. Performance comparison to other sorters (25) 189
Sax, L., see Salganicoff, M. (25) 181
Schweizer, H. and Kaupenjohann, H.
A silver impregnation method for motor and sensory nerves and their endings in formalin-fixed mammalian muscles (25) 45
Selector, L.Y., see Revenko, S.V. (25) 129
Shu, S.Y. and Peterson, G.M.
Anterograde and retrograde axonal transport of *Phaseolus vulgaris* leucoagglutinin (PHA-L) from the globus pallidus to the striatum of the rat (25) 175
Struble, R.G., see Hedreen, J.C. (25) 151
Swaab, D.F., see Mirmiran, M. (25) 209

Tessier, J.-C., see Mony, L. (25) 103
Thompson, A.M. and Thompson, G.C.
Neural connections identified with PHA-L anterograde and HRP retrograde tract-tracing techniques (25) 13
Thompson, G.C., see Thompson, A.M. (25) 13
Tretiak, O.J., see McEachron, D.L. (25) 63
Turner, D.F., see Marfurt, C.F. (25) 215

Vicario, D.S., see Alvarez-Buylla, A. (25) 165

Wachtel, R.E.
Use of BMDP statistical package to generate maximum likelihood estimates for single channel data (25) 121
Wauquier, A., see Reid, K.H. (25) 49
Williams, G.V., see Millar, J. (25) 59
Witting, W., see Mirmiran, M. (25) 209
Wörgötter, F. and Eysel, U.T.
A simple glass-coated, fire-polished tungsten electrode with conductance adjustment using hydrofluoridic acid (25) 135

Journal of Neuroscience Methods, 25 (1988) 267–268
Elsevier

Key Word Index Volume 25

Adenosine, (25), 243
Alzheimer's disease, (25), 151
Ammonium molybdate, (25), 215
d-Amphetamine, (25), 251
Anterograde axonal transport, (25), 175
Association fiber, (25), 197
Automated holeboard, (25), 251
Autoradiography, (25), 63; (25), 159
Avidin, (25), 1

Berry aneurysm, (25), 239
Biocytin, (25), 1
Biotin, (25), 1
βmax, (25), 75
BMDP, (25), 121
Body temperature, (25), 209
Brain area, (25), 243
Brain slice, (25), 197

Cannulation, (25), 239
Carbon fiber microelectrode, (25), 59
Carbon fibre electrode, (25), 91
Cat visual cortex, (25), 29
Cell counting, (25), 83
Cell culture, (25), 19
C-fiber, (25), 129
Chronic single unit recording, (25), 139
Circadian rhythm, (25), 209
Cockroach, (25), 103
Comparison of sorting devices, (25), 189
Computer-assisted analysis, (25), 63
Computer-assisted densitometry, (25), 75
Computer-microscope, (25), 165
Computer software, (25), 121
Corpus callosum, (25), 225

Dendritic tree, (25), 197
2-Deoxyglucose, (25), 63
Diagnosis, (25), 151
Diaminobenzidine, (25), 159
Digitization, (25), 63
Distribution, (25), 165
Dopaminergic neuron, (25), 83
Drawing-tube, (25), 165

Electrical stimulation, (25), 97
Electron microscopy, (25), 215
Error, (25), 49
Ethanol, (25), 243
Excitatory postsynaptic potential, (25), 19
Exploration, (25), 251
Extracellular recording, (25), 59

Fast cyclic voltammetry, (25), 91
Field potential, (25), 29
Fine nerve strand, (25), 129
Fluorescent tracer, (25), 225
Focused microwave, (25), 243

Globus pallidus, (25), 175
Golgi-impregnated material, (25), 143

Head restraint, (25), 139
High performance liquid chromatography, (25), 243
High-speed cyclic voltammetry, (25), 91
Hippocampus, (25), 19
Horseradish peroxidase, (25), 1; (25), 159; (25), 215
Horseradish peroxidase filled material, (25), 143
Horseradish peroxidase/retrograde tract-tracing, (25), 13
Human, (25), 209
Hyperfilm [^{3}H], (25), 75
Hypoxia, (25), 243

Identification, (25), 129
Image analysis, (25), 75
Image processing, (25), 63
Impedance controlled process, (25), 135
Infrared detection, (25), 251
Interference, (25), 49
Intracellular labeling, (25), 1
In vivo imaging, (25), 225
In vivo voltammetry, (25), 91
Ion-sensitive, (25), 49
[^{125}I]Standards, (25), 75

Kynurenate, (25), 19

Lateral olfactory tract, (25), 197
Lucifer Yellow, (25), 1

Maximum likelihood, (25), 121
Measurement, (25), 49
Microcomputer, (25), 165
Microcomputer analysis, (25), 143
Microelectrode, (25), 49; (25), 135
Morphometry, (25), 165

0165-0270/88/$03.50 © 1988 Elsevier Science Publishers B.V. (Biomedical Division)

Motor control, (25), 97
Motor end plate, (25), 45
Motor nerve ending, (25), 45
Multielectrode study, (25), 29
Multi-unit spike train, (25), 181
Multi-unit spike trains, (25), 189
Muscle contraction, (25), 97
Muscle spindle, (25), 45

Neuroanatomy, (25), 165
Noise, (25), 59
Nose poking, (25), 251

One-trial appetitive conditioning, (25), 251

Pantograph, (25), 165
Parenchymal injury, (25), 239
Pathology, (25), 151
Peripheral nervous system, (25), 45
Phaseolus vulgaris leucoagglutinin/anterograde tract-tracing, (25), 13; (25), 175
Piriform cortex, (25), 197
Plotter, (25), 165
Primate, (25), 139
Principal components analysis, (25), 181; (25), 189

Quantitation, (25), 63
Quantitative autoradiography, (25), 75
Quantitative morphology, (25), 143

Random visual stimulus, (25), 29
Rat, (25), 175
Reaggregate tissue culture, (25), 83
Receptive field, (25), 29
Recording chamber, (25), 19
Reduced template matching, (25), 181; (25), 189
Rest–activity cycle, (25), 209
Retrograde axonal transport, (25), 175
Rodent, (25), 225

Semicircular canal, (25), 111
Sensory nerve ending, (25), 45
Silver impregnation, (25), 45
Simple manufacturing, (25), 135
Single channel recording, (25), 121
Single unit recording, (25), 59
Spatio-temporal dynamics, (25), 29
Spike discrimination by computer, (25), 181; (25), 189
Spine, (25), 143
Striatum, (25), 175
Subarachnoid hemorrhage, (25), 239
Supraoptic nucleus, (25), 1
Synaptic current, (25), 103
Synaptic structure, (25), 143

Temperature gradient, (25), 49
Temperature-Q_{10}, (25), 19
Tetramethylbenzidine, (25), 159
Tetramethylbenzidine (TMB) method, (25), 215
Tract-tracing, (25), 225
Tritiated thymidine, (25), 159

Varicosity, (25), 143
Vasospasm, (25), 239
Vestibular afferent, (25), 111
Vestibular stimulation, (25), 111
Video densitometry, (25), 63
Visual cortex, (25), 225
Voltage clamp, (25), 103

Waveform analysis, (25), 181; (25), 189